QUIZ 3

COMP9021 PRINCIPLES OF PROGRAMMING

SAMPLE OUTPUTS

```
A term should contain only letters, underscores, commas, parentheses, spaces.
Input a term: constant
Input an arity : 0
Good, the term is syntactically correct.
$ python3 quiz_3.py
Input an arity : 3
A term should contain only letters, underscores, commas, parentheses, spaces.
Input a term: constant
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 1
A term should contain only letters, underscores, commas, parentheses, spaces.
Input a term: function_of_arity_one(hello)
Good, the term is syntactically correct.
$ python3 quiz_3.py
Input an arity : 0
A term should contain only letters, underscores, commas, parentheses, spaces.
Input a term: function_of_arity_one(hello)
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 2
A term should contain only letters, underscores, commas, parentheses, spaces.
Input a term: F(g(a,a), f(a,b))
Good, the term is syntactically correct.
$ python3 quiz_3.py
Input an arity : 3
A term should contain only letters, underscores, commas, parentheses, spaces.
Input a term: f(g(a,a), f(a,b))
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 4
A term should contain only letters, underscores, commas, parentheses, spaces.
Input a term: f(a, FF(a, b, fff(a, b, c, FfFf(a,b,c,d)), FfFf(a,b,c,d)), c,d)
Good, the term is syntactically correct.
$ python3 quiz_3.py
Input an arity : 3
A term should contain only letters, underscores, commas, parentheses, spaces.
Input a term: ff(ff(ff(a,b,ff(aa,bb,cc))  ,  b ,  ff(a,b,c))  ,  b ,  ff(a,ff(a,b,c),c))
Good, the term is syntactically correct.
```

```
$ python3 quiz_3.py
Input an arity : 0
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f_1
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 1
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f[a]
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 0
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: ()
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 1
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f)
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 2
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f(a, g(b))
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 3
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f((a,b,c))
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 3
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f(g(a,b,c),g(a,b,c),g(a,b,c)
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 3
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f(a, g(a, b, f(a,b,c)), b, c)
Unfortunately, the term is syntactically incorrect.
```